

Please delete ~~claim~~ 2.

In claim ~~3~~, line 1, please change "2" to --1--.

In claim ~~4~~, line 1, please change "2" to --1--.

In claim ~~22~~ (Amended), line 14, after "aligned at a predetermined" please change "angle" and substitute therewith -- position--.

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Claim ~~23~~ (Twice Amended). A method for imaging anterior structures of the eye, comprising:

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- providing a means for projecting light and a means for capturing an image;

- aligning the eye along a predetermined axis;

- projecting light onto the eye along said predetermined axis by said projecting means;

- capturing an image of said eye at a predetermined angle from said predetermined axis by said capturing means, with the projecting and capturing occurring during rotation of said projecting means and said capturing means about the predetermined axis.

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Claim ~~24~~ (Amended). A method according to claim ~~23~~, further comprising the step of providing said projecting means and capturing means in at least one pre-defined position and storing data associated with said image of said eye corresponding to the at least one pre-defined position.

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83.

Claim 25 (Amended). A method according to claim 24, further comprising the step of providing said projecting means and capturing means in a plurality of pre-defined positions and storing said images of said eye corresponding to said plurality of pre-defined positions.

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83.

Claim 27 (Twice Amended). A device for imaging anterior structures of the eye, comprising:

- a housing adapted to rotate about a first axis;
- a motor connected to and adapted to rotate said housing;
- a slit lamp mounted within said housing and adapted to rotate therewith about said first axis and further adapted to project a slit image;
- a lens provided at spaced separation from said slit lamp, said lens further adapted to focus said slit image from the slit lamp and transmit said slit image to the eye;
- a first camera mounted on said housing and adapted to rotate therewith, said first camera being adapted to record the slit image projected on the eye[, said first camera being mounted so that an imaging detection axis extends to meet the first axis of the housing at an angle and is perpendicular to the image of the slit upon the eye where said imaging detection axis contacts the eye];
- an alignment determining assembly for identifying when the eye is aligned along a predetermined axis, said alignment determining assembly including a beam splitter cube located in

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the housing between the lens and the slit lamp and positioned on the first axis of the housing [for rotation with the housing], said beam splitter cube being adapted to translate a reflected image of a pair of fixation [points] targets ⁵ mounted in the housing at spaced separation through 90 degrees from the axis of rotation of the housing to the eye; and -a second camera mounted within the housing and adapted to record a reflected image of the eye.

²⁹ ²⁸ ^D Claim 28 (Amended). A device according to claim 27 wherein said slit lamp includes a substantially planar [generally rectangular] slit therein for projecting a substantially planar [generally rectangular] slit image.

³⁰ ²⁸ ^D Claim 29 (Amended). A device according to claim 27 wherein said slit lamp includes a substantially convex [generally rectangular] slit therein for projecting a substantially convex [generally rectangular] slit image.

³¹ ²⁸ ^D Claim 30 (Amended). A device according to claim 27 further including a filter mounted within the housing between the [reflecting] beam splitter cube and the slit lamp.

¹⁸ ¹ ²⁸ Claim 45 (Amended). An apparatus as in claim 1, further comprising a head rest for receiving a patient, said head rest including means for aligning the eye of said patient with respect

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1 to said apparatus, wherein said aligning means comprises adjustment means for varying a vertical and a horizontal position of the eye with respect to said apparatus.

Cancel
Please cancel claim 46.

In Claim 51, line 3, please change "read" and substitute therewith --recorded--.

Please add the following new claims.

19.
Claim 58. An apparatus as in claim 1, further including means for moving said alignment determining assembly in a direction substantially parallel to said predetermined axis.

25.
Claim 54. A method according to claim 23, where the step of rotating said projecting means and said capturing means about the predetermined axis includes the step of rotating said capturing means and said projecting means by a substantially identical angle about said predetermined axis.

26.
Claim 55. A method according to claim 54, wherein said capturing means includes a camera and a lens, said method including the steps of:

positioning said lens having its longitudinal axis perpendicular to an image detection axis extending between the eye

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and said lens, and

positioning said camera perpendicular to said image detection axis.

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21. 21.
Claim 56: A method according to claim 23 further comprising the steps of:

capturing a second image of a predetermined reference point on the eye; and

determining a position of the eye when capturing said second image as compared with said image captured of the eye.

REMARKS

The claims are 1, 3-12, 16, 18, 19, 21-34, 37, 38, 45, 47-56. Claims 1, 3, 4, 22, 23, 24, 25, 27-30 and 45 have been amended. Claims 2 and 46 have been cancelled. Claims 53 to 56 are newly added for consideration by the Examiner. No new matter is introduced herein.

Claims 22-34, 37, 38, 51 and 52 stand rejected under 35 USC §112(second paragraph) as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regards as the invention. Applicants respectfully traverse this rejection, however, the applicants have made the following changes in view of the Examiner's rejection.

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